

What is claimed is:

1. A diversity receiver used in a CDMA communication system comprising:

a first antenna for receiving signals from base stations;

5 a second antenna for receiving signals from base stations;

a received field strength measuring unit for measuring a received field strength indicating a field strength of an intermittent signal received at one of said
10 first and second antennas, wherein said intermittent signal is sent from any one of the base stations every designated slot cycle in standby mode;

an information storage unit for storing information regarding said received field strength at said first and
15 second antennas; and

an antenna selection unit for selecting one of the first and second antennas at a higher received field strength based on reception environment information stored in said information storage unit immediately prior to start
20 of a phone conversation when a transition is made from standby mode to the phone conversation.

2. The diversity receiver according to claim 1,

wherein said antenna selection unit selects one of the first and second antennas alternately every said

designated slot cycle in standby mode, and

5 wherein said received field strength-measuring unit further stores field strength information regarding the field strength at the antenna selected by said antenna selection unit.

3. The diversity receiver according to claim 1,

 wherein, in standby mode, said antenna selection unit adjusts ratios at which the antennas are selected according to the field strengths received at the antennas
5 respectively, and

 wherein said received field strength-measuring unit further stores field strength information regarding the field strength at the antenna selected by said antenna selection unit in said information storage unit.

4. The diversity receiver according to claim 1, further comprising:

 a base station information acquiring unit for acquiring base station information and storing the base
5 station information, wherein said base station information is included in signals from the base stations;

 wherein, when said first antenna receives a signal sent from a first base station, said base station information acquiring unit acquires base station
10 information regarding said first base station and stores

the base station information,

wherein, when said second antenna receives a signal sent from a second base station, said base station information acquiring unit acquires base station information about said second base station and stores the base station information in said information storage unit, and

wherein said antenna selection unit selects one of the first and second antennas at a higher received field strength based on reception environment information about each antenna and base station information stored in said information storage unit immediately prior to start of a phone conversation when a transition is made from standby mode to the phone conversation.

5. A diversity reception method implemented by a diversity receiver used in a CDMA communication system, the receiver including first and second antennas for receiving signals from base stations, said method comprising the steps of:

measuring a received field strength indicating a field strength of an intermittent signal received at one of the first and second antennas, wherein said intermittent signal is sent from one of the base stations every designated slot cycle in standby mode;

storing received field strength information

regarding said received field strength of each intermittent signal received at said first and second antennas, respectively; and

15 selecting one of the first and second antennas at a higher received field strength based on reception environment information regarding each antenna immediately before a phone conversation is started when a transition is made from standby mode to the conversation.

6. The diversity reception method according to claim 5,

 wherein, in said step of selecting one of the antennas, the first and second antennas are selected
5 alternately every said designated slot cycle in standby mode.

7. The diversity reception method according to claim 5,

 wherein, in said step of selecting one of the antennas, ratios at which the first and second antennas are
5 respectively selected are adjusted according to the received field strengths at the individual antennas.

8. The diversity reception method according to claim 5, further comprising a step of:

 acquiring base station information included in

signals from the base stations;

5 wherein said step of acquiring the base station
information includes the steps of:

 first acquiring base station information
 for acquiring base station information regarding a
 first base station included in a signal sent from the
10 first base station and received by the first antenna;
 and

 second acquiring base station information
 for acquiring base station information regarding said
 second base station included in a signal sent from the
15 second base station and received by the second
 antenna, and

 wherein said step of selecting one of the antennas
includes a step of selecting one of the first and second
antennas at a higher received field strength based on
20 reception environment information about each antenna and on
 base station information regarding each base station
 immediately prior to start of a phone conversation when a
transition is made from standby mode to the conversation.